Index of Claims



Application/Control No.

09/455,102

Examiner

Daniel S. Metzmaier

Applicant(s)/Patent under Reexamination

PERSSON ET AL.

Art Unit

1712

| <b>√</b> | Rejected |
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(Through numeral) Cancelled

Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

|       |  | _                                     |                                       |  |          |              |          |          |              |          |  |  |
|-------|--|---------------------------------------|---------------------------------------|--|----------|--------------|----------|----------|--------------|----------|--|--|
| Cla   | im                                     | Date                                  |                                       |  |          |              |          |          |              |          |  |  |
| Final | Original                               | 90/6/9                                | 2/16/07                               |  |          |              | ,        |          | :            |          |  |  |
|       | 1                                      | 1                                     | 1                                     |  |          |              | <u> </u> |          |              |          |  |  |
|       | 1<br>2<br>3                            | 1                                     | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |  |          |              |          |          |              |          |  |  |
|       | 3                                      | 0                                     | 1                                     |  |          |              |          |          |              |          |  |  |
|       | <u>4</u><br>5                          | 1                                     | 1                                     | L  |          |              |          |          |              |          |  |  |
|       |  | 1                                     | 1                                     |  |          | _            |          |          | <u>_</u>     |          |  |  |
|       | 6                                      | \                                     | 1                                     | L_   | <u> </u> | L_           |          | <u> </u> | _            | L        |  |  |
|       | 7                                      | 0<br>1<br>1<br>1                      | ٧,                                    |  | _        | _            |          | _        | _            | <u> </u> |  |  |
|       | 8                                      | 1                                     | ٧                                     |  | _        | _            |          | _        | _            | L        |  |  |
|       | 9<br>10                                | V .                                   | N                                     | -  | ⊢        | -            | _        | ┝        | ├            | H        |  |  |
|       | 11                                     | 0                                     | 7                                     | -  |          | ┝            | -        | ├—       | ├            | H        |  |  |
|       | 11<br>12<br>13<br>14<br>15<br>16<br>17 | J                                     | J                                     | -  | -        | ┝            | -        | -        | ├            | ⊢        |  |  |
|       | 13                                     | J                                     | J                                     | $\vdash$   | ┢        | $\vdash$     | -        | -        | -            | -        |  |  |
|       | 14                                     | ŵ                                     | <u> </u>                              | $\vdash$   |          | -            | _        | _        | -            | ┢        |  |  |
|       | 15                                     | 1                                     |                                       | $\vdash$   | $\vdash$ | ┢            | ┢╌       | $\vdash$ | $\vdash$     |          |  |  |
|       | 16                                     | o                                     |                                       |  |          |              |          | $\vdash$ | ┢            | -        |  |  |
|       | 17                                     | Ī                                     | _                                     | ┢  | 1        | _            |          | _        | _            |          |  |  |
|       | 18                                     | V V V V V V V V V V V V V V V V V V V | _                                     |  | T        |              |          | <u> </u> |              |          |  |  |
|       | 18<br>19                               | W                                     |                                       |  |          |              |          |          |              | Г        |  |  |
|       | 20                                     | w                                     | -                                     | Г  |          |              |          |          |              |          |  |  |
|       | 21<br>22                               | W                                     | _                                     |  |          |              |          |          |              |          |  |  |
|       | 22                                     | 1                                     |                                       |  |          |              |          |          |              |          |  |  |
|       | 23<br>24                               | 1                                     | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |  |          |              |          |          |              |          |  |  |
|       | 24.                                    | 1                                     | 1                                     | L  |          | L            |          |          |              |          |  |  |
|       | 25                                     | 0 1 7                                 | 1                                     |  | 匚        |              |          |          |              |          |  |  |
|       | 26                                     | <b>√</b>                              | 1                                     | <u> </u>   |          | _            | _        | <u> </u> |              | L_       |  |  |
|       | 26<br>27<br>28                         |                                       | <b>√</b>                              | <u> </u>   | <u> </u> | <u> </u>     |          | <b> </b> | <u> </u>     | <u> </u> |  |  |
|       | 28                                     | 0 1                                   | ٧,                                    | _  | ⊢        | $\vdash$     | _        |          | _            | <u> </u> |  |  |
|       | 29<br>30                               | V                                     | V                                     | <u> </u>   | $\vdash$ | _            | <u> </u> | -        | <u> </u>     | <u> </u> |  |  |
|       | 30                                     | J                                     | ./                                    | $\vdash$   | $\vdash$ | -            | -        | -        | <del> </del> | -        |  |  |
|       | 31<br>32                               | V ∨ ∨                                 | 1                                     | ⊢  | -        | -            | ├        | ├        | ├─           |          |  |  |
|       | 33                                     | w                                     | <del>'</del>                          | ⊢  | ┝        | H            | -        | ├-       | -            |          |  |  |
|       | 34                                     | <del>-</del>                          | =                                     | ┝  | ╁        | -            | $\vdash$ | -        | ┢            |          |  |  |
|       | 35                                     | w                                     | -                                     | <del>                                     </del> | -        |              |          |          | -            | _        |  |  |
|       | 36                                     | W<br>W<br>W<br>W                      | -                                     | ┢  | _        | $\vdash$     |          | $\vdash$ | _            | $\vdash$ |  |  |
|       | 37                                     | w                                     | =                                     | $\vdash$   |          |              | $\vdash$ |          |              |          |  |  |
|       | 38                                     | w                                     | -                                     |  |          |              |          |          |              |          |  |  |
|       | 39                                     | w                                     | -                                     |  |          |              |          |          |              |          |  |  |
|       | 40                                     | w                                     | -                                     |  |          |              |          |          |              |          |  |  |
|       | 41                                     | W                                     | 1                                     |  |          |              |          |          |              |          |  |  |
|       | 42                                     | W                                     | 三                                     |  |          |              |          | L        |              |          |  |  |
|       | 43                                     | W                                     | _                                     |  |          | $\Box$       |          |          | 匚            |          |  |  |
|       | 44                                     | W                                     | _                                     |  | L        | $oxed{oxed}$ |          |          |              | Ш        |  |  |
|       | 45                                     | w                                     |                                       | L.   | <u> </u> |              | L        | L        |              | L.       |  |  |
|       | 46                                     | W                                     |                                       | _  | L_       | L            | _        | <u> </u> |              | Щ        |  |  |
|       | 47                                     | w                                     |                                       | <u> </u>   | _        | Щ            | $\vdash$ | $\sqcup$ | <u> </u>     | Щ        |  |  |
|       | 48                                     | W                                     | <u> </u>                              | -  | <u> </u> | <b> </b>     | <u> </u> |          | <u> </u>     | Щ        |  |  |
|       | 49                                     | W                                     | -                                     | -  | <u> </u> |              | <u> </u> | <u> </u> |              | Щ        |  |  |
|       | 50                                     | 8                                     |                                       | 1  | ı        |              |          |          |              |          |  |  |

| Cla      | im       |        |          |          | [        | Date     | e_       |          |          |              |     | Cla   | im       |        |         |          | C        | Date     | •        |   |          |          |
|----------|----------|--------|----------|----------|----------|----------|----------|----------|----------|--------------|-----|-------|----------|--------|---------|----------|----------|----------|----------|---|----------|----------|
| רווומו   | Original | 90/6/9 | 2/16/07  |          |          |          | ,        |          |          |              |     | Final | Original | 2/9/06 | 2/16/07 |          |          |          |          |   |          |          |
|          | 1        | 1      | 1        |          |          |          | -        |          |          |              | 1   |       | 51       | W      | -       |          |          |          |          |   |          |          |
|          | 2        | 1      | 1        |          |          |          |          | _        |          | Т            | 1   |       | 52       | w      | _       |          |          |          |          |   |          |          |
|          | 3        | 0      | 1        |          |          |          |          |          |          | Г            | 1   |       | 53       | w      | _       |          |          |          |          |   |          |          |
| _        | 4        | 1      | 1        |          | Г        |          |          |          | Г        | Г            | 1   |       | 54       | W      | _       |          |          |          |          |   |          |          |
|          | 5        | 1      | 1        | Г        |          |          |          |          | Г        | Γ            | 1 . |       | 55       | W      | 1       |          |          |          |          |   |          |          |
|          | 6        | 1      | 1        |          |          |          |          |          |          |              | 1   |       | 56       | W      | -       |          |          |          |          |   |          |          |
|          | 7        | 1      | 1        |          | Γ        |          |          |          |          | Г            | 1   |       | 57       | W      | -       |          | _        |          |          |   |          |          |
|          | 8        | 1      | 1        |          |          |          |          |          |          |              |     |       | 58       | 1      | 1       |          |          |          |          |   |          |          |
|          | σ        | 1      | 7        |          |          |          |          |          |          |              |     |       | 59       | 1      | 1       |          |          |          |          |   |          |          |
|          | 10       | 0      | 1        |          |          |          |          |          |          |              |     |       | 60       | 1      | 1       |          |          |          |          |   |          |          |
|          | 11       | 1      | 1        |          |          |          |          |          |          |              |     |       | 61       | 7      | 1       |          |          |          |          |   |          | -        |
|          | 12       | 7      | 7        |          |          |          |          |          |          |              |     |       | 62       | 7      | 1       |          |          |          |          |   | _        |          |
|          | 13       | 1      | 1        |          |          |          |          |          |          |              |     |       | 63       | 1      | -       |          |          |          |          |   |          |          |
|          | 14       | ٧      | 1        |          |          |          |          |          |          |              |     |       | 64       | W      |         |          |          |          |          |   |          |          |
|          | 15       | 1      | 1        |          |          |          |          |          |          |              |     |       | 65       | ٧      | -       |          |          |          |          |   |          |          |
|          | 16       | 0      | 1        |          |          |          |          |          |          |              |     |       | 66       | 1      | 1       |          |          |          |          |   |          |          |
|          | 17       | 7      | -        |          |          |          |          |          |          |              |     |       | 67       | 1      | 1       |          |          |          |          |   |          |          |
|          | 18       | W      | _        |          |          | Ĺ        |          |          |          |              |     |       | 68       | 1      | 1       |          |          |          |          |   |          |          |
|          | 19       | W      | _        |          |          |          |          |          | L        | _            |     |       | 69       | 7      | _       |          |          |          |          |   |          | · .      |
|          | 20       | 8      | _        | L        | L_       | L        |          |          | <u> </u> | L            |     |       | 70       | 1      | 1       |          |          |          | Ш        |   |          |          |
|          | 21       | W      | _        | L        |          | L        |          |          |          | L            |     |       | 71       | 7      | 1       |          |          |          |          |   |          |          |
|          | 22       | 1      |          |          |          |          |          |          | _        | _            |     |       | 72       | W      |         |          | L_       |          |          |   |          |          |
| _        | 23       | 1      | 7        |          |          |          |          |          | _        | $oxed{oxed}$ |     |       | 73       | 8      | -       |          |          |          |          |   |          |          |
|          | 24.      | 1      | 1        | L        | <u></u>  |          |          |          |          | _            |     |       | 74       | W      | -       |          |          |          |          |   |          |          |
|          | 25       | 0      | 1        |          |          |          |          |          |          | _            |     |       | 75       | W      |         |          |          |          |          |   |          |          |
|          | 26       | 7      | 1        | <u> </u> |          | <u> </u> | _        |          |          | L_           |     |       | 76       | 8      |         |          |          |          |          | _ |          |          |
|          | 27       | 1      | 1        | <u>_</u> | <u> </u> | <u> </u> |          | _        |          | _            |     |       | 77       | ٧      |         |          |          |          |          |   |          | ×        |
|          | 28       | 0      | 1        |          | <u> </u> |          |          |          |          | L.           |     |       | 78       | W      |         |          |          |          |          |   |          |          |
| _        | 29       | . 4    | 1        |          | <u> </u> |          | _        | <u> </u> | <u> </u> | L.           |     |       | 79       | W      | -       |          |          |          |          |   | Щ        |          |
| _        | 30       | 1      | ٧        | _        | <u> </u> | L_       | _        | _        | <u> </u> | _            |     |       | 80       | 8      | -       |          |          |          |          |   |          |          |
|          | 31       | 7      | 7        | L        |          | <u> </u> | <u> </u> | _        | <u> </u> |              |     |       | 81       | W      | _       |          |          |          |          |   |          |          |
|          | 32       | 7      | ٧        | <u> </u> | <u> </u> | L        | <u> </u> |          |          | _            |     |       | 82       | W      |         |          |          |          |          |   |          |          |
| _        | 33       | W      |          | <u> </u> | <u> </u> |          | <u> </u> | _        | _        | ┡            |     |       | 83       | W      |         |          |          |          |          |   |          |          |
|          | 34       | -      | <u> </u> | ├        | <u> </u> |          | -        |          |          | _            |     |       | 84       | W      |         |          |          |          |          |   |          | -        |
|          | 35       | W      | =        | <u> </u> | <u> </u> | <u> </u> | -        |          | -        | <u> </u>     |     |       | 85       | W      |         |          |          |          |          |   |          | $\vdash$ |
|          | 36       | W      | =        | H        |          |          | $\vdash$ |          | _        | ⊢            |     | · ·   | 86       | W      | -       |          |          |          |          |   |          | $\vdash$ |
|          | 37<br>38 | w<br>w | -        | $\vdash$ | _        | <u> </u> | $\vdash$ |          | _        | ⊢            |     |       | 87       | w      |         |          | -        | $\dashv$ |          | _ |          | $\vdash$ |
| $\dashv$ | 39       | W      | _        |          | -        | <u> </u> | -        | _        |          | ├—           |     |       | 88       | W      | _       |          |          |          |          |   |          |          |
|          | 40       | W      | _        | -        | _        |          | -        | _        | $\vdash$ | ⊢            | 1 1 |       | 89<br>90 | W      | _       | -        | -        |          |          | _ | -        | -        |
| _        | 41       | W      |          |          | -        |          | -        | -        | _        | -            |     |       | 91       | W      | _       | _        |          |          | -1       | _ | -        |          |
| -        | 42       | W      |          |          | -        |          | -        |          | _        | -            |     |       | 92       | W      | _       |          |          |          |          | - | -        | $\dashv$ |
| $\dashv$ | 43       | W      | _        |          |          | -        | H        |          | -        | -            |     |       | 93       | w      | _       |          | -        | Н        | $\dashv$ | _ | $\dashv$ | $\dashv$ |
| $\dashv$ | 44       | w      | -        | H        |          | _        | H        |          | Н        | ⊢            |     |       | 94       | W      | -       |          |          | $\vdash$ | -        |   | $\dashv$ | $\dashv$ |
| $\dashv$ | 45       | w      | =        | _        | $\vdash$ | -        | H        |          |          | ⊢            |     |       | 95       | W      | -       | -        | _        |          | -        |   | $\dashv$ |          |
| $\dashv$ | 46       | W      |          |          | -        | _        | -        |          |          | ├            |     |       | 96       | w      | -       | -        | $\dashv$ | _        | $\dashv$ | _ | $\dashv$ |          |
| -        | 47       | w      |          |          |          | H        | $\vdash$ |          |          | $\vdash$     | }   |       | 97       | W      | _       | -        | -        | -        | $\vdash$ | - | $\dashv$ | $\dashv$ |
| -        | 48       | w      |          | $\vdash$ |          | $\vdash$ | $\vdash$ | $\vdash$ |          | $\vdash$     |     |       | 98       | 7      | 7       |          | $\dashv$ | -        |          | - | $\dashv$ | $\dashv$ |
| $\dashv$ | 49       | W      |          | $\vdash$ |          | -        | $\vdash$ |          |          | <del> </del> |     |       | 99       | 1      | 1       | -        | $\dashv$ | $\dashv$ |          |   | -        | $\dashv$ |
| ᅱ        | 50       | W      | _        | $\vdash$ | -        | _        | Н        | Н        |          | -            |     |       | 100      |        | _       | $\dashv$ | $\dashv$ |          |          |   | $\dashv$ |          |
|          |          | ات.    |          | ш        |          |          | ш        | لب       |          | Ц.           | r L |       |          | • •    |         | l        |          |          |          |   |          |          |

|       | aim   | · Date       |          |          |          |          |              |          |  |                 |  |  |
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| Uli   | -   |              | ı.       |          | שמע      | <u> </u> |              |          | $\dashv$   |                 |  |  |
| Final | Original  | 90/6/9       | 2/16/07  |          |          |          |              |          |  |                 |  |  |
|       | 101<br>102<br>103<br>104<br>105<br>106  | 778888       | 7        |          | Г        | Г        |              |          |  | П               |  |  |
|       | 102   | 1            | 77       |          |          |          |              |          |  | П               |  |  |
|       | 103   | W            | -        |          |          |          |              |          |  |                 |  |  |
|       | 104   | W            | _        |          |          |          |              |          |  |                 |  |  |
|       | 105   | W            | _        |          | L        | <u> </u> |              | <u> </u> |  | Ш               |  |  |
|       | 106   | W            | _        | L_       | _        | L.       | <u> </u>     | <u> </u> | L.   | Ш               |  |  |
|       | 107   | <u> </u>     |          | <u> </u> |          |          |              | <u> </u> |  | Щ               |  |  |
|       | 108   | <u> </u>     | _        |          | <u> </u> | <u> </u> | -            | -        | _  | Ы               |  |  |
|       | 109   |              |          |          | -        | _        | -            |          | <u> </u>   | Н               |  |  |
|       | 110   | <u> </u>     |          | ├        | ├        | ├-       | ├            |          | _  | Н               |  |  |
|       | 112   | $\vdash$     | _        | $\vdash$ | $\vdash$ | -        | <del> </del> |          | $\vdash$   | Н               |  |  |
|       | 113   |              | -        | $\vdash$ |          | ├        | -            |          | $\vdash$   | Н               |  |  |
|       | 114   | $\vdash$     | _        | $\vdash$ | ┝        | $\vdash$ | $\vdash$     | <u> </u> | $\vdash$   | Н               |  |  |
|       | 115   | Н            | <u> </u> | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$     |          | $\vdash$   | H               |  |  |
|       | 116   | П            |          |          | Г        | H        |              | <u> </u> |  | H               |  |  |
|       | 107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>131 |              |          | Г        | $\vdash$ |          | $\vdash$     |          |  | Н               |  |  |
|       | 118   |              |          |          | $\Box$   | Г        | Г            |          |  | П               |  |  |
|       | 119   |              |          |          |          |          |              |          |  |                 |  |  |
|       | 120   |              |          |          |          | <u> </u> |              |          |  |                 |  |  |
|       | 121   |              |          |          |          |          |              |          |  |                 |  |  |
|       | 122   | <u> </u>     |          |          | <u>L</u> | <u> </u> |              |          |  |                 |  |  |
|       | 123   | L            |          |          |          | <u> </u> |              |          | <u> </u>   | Ш               |  |  |
|       | 124   | _            | _        |          |          |          |              | <u> </u> | _  | Ш               |  |  |
|       | 125   | $oxed{oxed}$ |          |          |          | <u> </u> | _            | <u> </u> | <u> </u>   | Щ               |  |  |
|       | 126   | <u> </u>     | _        | _        | <u> </u> | <u> </u> |              | _        | _  | Н               |  |  |
|       | 127   |              |          |          | ├        | _        | _            | <u> </u> | <u> </u>   | Н               |  |  |
|       | 128   | -            |          |          | -        | <u> </u> | -            | _        |  | Н               |  |  |
|       | 129   | -            | _        |          |          | -        |              | -        | _  | Н               |  |  |
|       | 131   | -            | —        |          | -        | -        |              | -        | -  | Н               |  |  |
|       | 132   | -            | _        | $\vdash$ | ┝        | ┢        | $\vdash$     | ┝╌       | -  | Н               |  |  |
|       | 133   | $\vdash$     |          | $\vdash$ | -        | ╁        | H            | ┢        | <del> </del>                                     | Н               |  |  |
|       | 134   |              | _        |          | $\vdash$ |          |              | $\vdash$ | <del>                                     </del> | Н               |  |  |
|       | 133<br>134<br>135   |              |          | Г        | $\vdash$ | $\vdash$ | ┢            | $\vdash$ |  | Н               |  |  |
|       | 136   |              |          |          |          | Г        |              |          |  | П               |  |  |
|       | 137   |              |          |          |          |          |              |          |  |                 |  |  |
|       | 136<br>137<br>138<br>139  |              |          |          |          |          |              |          |  |                 |  |  |
|       | 139   | $\Box$       |          |          |          |          |              |          |  |                 |  |  |
|       | 140   | Ш            |          | oxdot    |          | <u> </u> | <u> </u>     |          |  | Ш               |  |  |
|       | 141   | Щ            |          |          |          | _        | _            | <u></u>  | _  | Ш               |  |  |
|       | 142   | Щ            |          | <u> </u> |          | L_       | _            | _        | <u> </u>   | Ш               |  |  |
|       | 143   | _            | _        | <u> </u> | _        | <b> </b> | <u> </u>     | <u> </u> | <u> </u>   | $\square$       |  |  |
|       | 144   |              |          |          | _        | <u> </u> |              | <u> </u> | _  |                 |  |  |
|       | 145   | Щ            | _        | $\vdash$ |          |          | <u> </u>     | <u> </u> | <u> </u>   | ┞╌┤             |  |  |
|       | 146   |              | _        |          |          | -        | <u> </u>     | $\vdash$ | $\vdash$   | 닉               |  |  |
|       | 147<br>148  | Н            | _        |          |          | -        | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash \vdash$ |  |  |
|       | 148   | $\vdash$     |          | $\vdash$ |          |          | -            | -        | <del> </del>                                     | $\vdash \vdash$ |  |  |
|       | 150   | $\vdash$     |          | $\vdash$ | _        | $\vdash$ |              | -        |  | $\vdash \vdash$ |  |  |
|       | 130   | ш            |          | ш        |          | ш        |              | Ш.       |  | لــــا          |  |  |